

Product Bulletin for
Portable Protection Device

ELEGRP



PORTABLE PROTECTION DEVICE



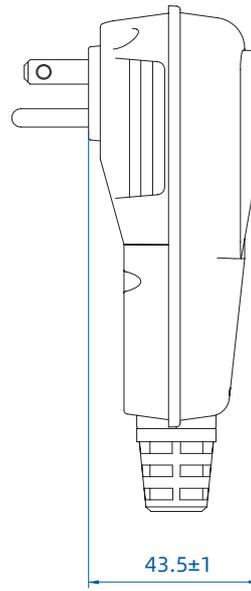
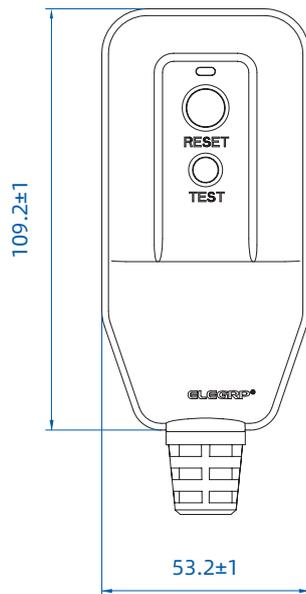
Portable GFCI

Features and Benefits

- Portable GFCI's (Ground Fault Circuit Interrupters) offer protection for 2 wire or 3 wire appliances and tools.
- The bright "Green" light indicates when the power is "ON".
- Rainproof, polycarbonate enclosure provides long service life and excellent resistance to harsh weather.
- Custom cord lengths and configurations available as special order.
- Manual Reset Cord Sets will NOT automatically reset ON when power is applied or restored after a power interruption – RESET button must be actuated.
- Automatic Reset Cord Sets will automatically reset ON when plugged in or when power is restored after a power interruption.
- Portable GFCI are perfect for use in a variety of temporary power applications, such as recreation and marine vehicles, portable pools and generators, submersible pumps, vending machines and more.
- UL and CUL listed, and also UL Recognized.

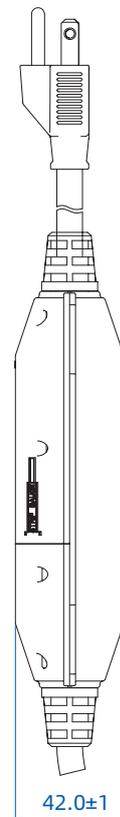
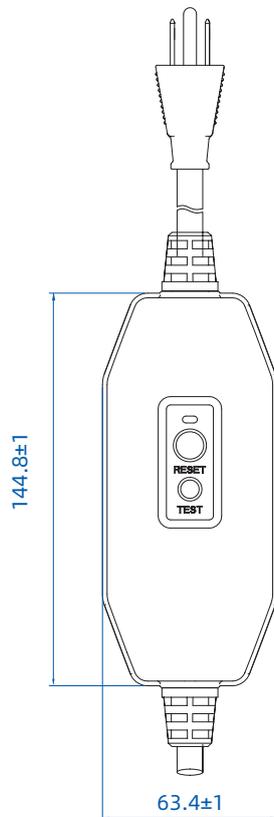


Dimensional



Model					
G1215PM	G1215PM-1	G1215PA	G1215PA-1	G1220PM	G1220PM-1
G1220PA	G1220PA-1	G1215PM2	G1215PM2-1	G1215PA2	G1215PA2-1

Height	109.2 ± 1 mm
Width	53.2 ± 1 mm
Depth	43.5 ± 1 mm



Model					
G1215CM	G1215CM-1	G1215CA	G1215CA-1	G1220CM	G1220CM-1
G1220CA	G1220CA-1	G1215CM2	G1215CM2-1	G1215CA2	G1215CA2-1

Height	144.8 ± 1 mm
Width	63.4 ± 1 mm
Depth	42.0 ± 1 mm

Types of Portable GFCIs

Portable In-Line GFCI

Photo	Model	Rating (A. V.)	Description	Power Restore	Cord Type	Plug Type	Certified
	G1215CM G1215CA G1215CM-1 G1215CA-1	15 125	3-Wire Grounding In line GFCI Trip Level 4-6mA	Manual Reset/ Auto Reset	14AWG/ 16AWG/ 18AWG×3	 5-15P	
	G1220CM G1220CA G1220CM-1 G1220CA-1	20 125	3-Wire Grounding In line GFCI Trip Level 4-6mA	Manual Reset/ Auto Reset	12AWG/ 14AWG/ 16AWG/ 18AWG×3	 5-20P	
	G1215CM2 G1215CA2 G1215CM2-1 G1215CA2-1	15 125	2-Wire In line GFCI Trip Level 4-6mA	Manual Reset/ Auto Reset	14AWG/ 16AWG/ 18AWG×2	 1-15P	

Portable GFCI Plug

Photo	Model	Rating (A. V.)	Description	Power Restore	Cord Type	Plug Type	Certified
	G1215PM G1215PA G1215PM-1 G1215PA-1	15 125	3-Wire Grounding Right Angle GFCI Plug Trip Level 4-6mA	Manual Reset/ Auto Reset	14AWG/ 16AWG/ 18AWG×3	 5-15P	
	G1220PM G1220PA G1220PM-1 G1220PA-1	20 125	3-Wire Grounding Right Angle GFCI Plug Trip Level 4-6mA	Manual Reset/ Auto Reset	12AWG/ 14AWG/ 16AWG/ 18AWG×3	 5-20P	
	G1215PM2 G1215PA2 G1215PM2-1 G1215PA2-1	15 125	2-Wire Right Angle GFCI Plug Trip Level 4-6mA	Manual Reset/ Auto Reset	14AWG/ 16AWG/ 18AWG×2	 1-15P	

LCDI

Features and Benefits

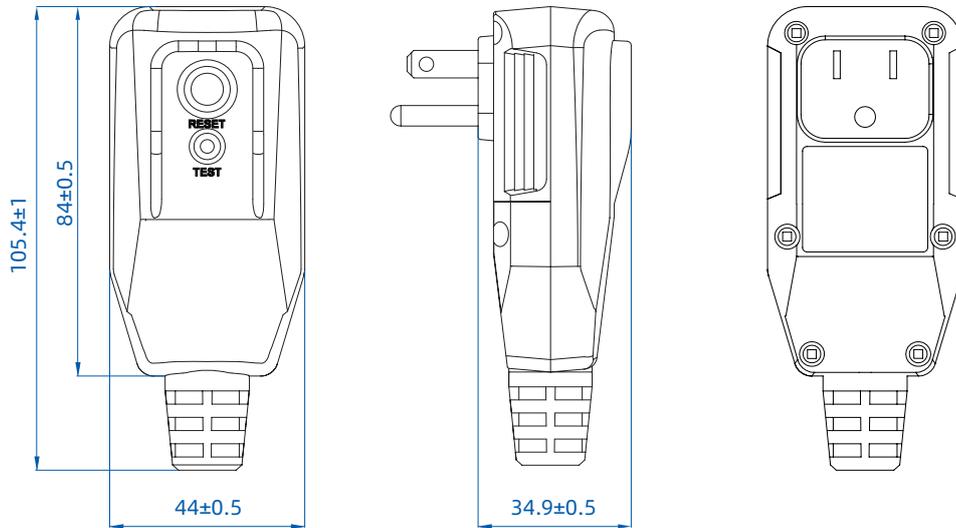
- These are power supply cords provided with Leakage Current Detection and Interruption (LCDI). They consist of a length of shielded flexible cord with no termination on the load end and an LCDI attachment plug on the line end.
- These LCDIs are intended to trip if the nominal leakage between the cord shield and either load conductor exceeds a predetermined value. This is intended to reduce the possibility of a fire in the load side shielded cord.
- The cord shields are not grounded and they must be considered a shock hazard if they are exposed. They must not be connected to ground or to any exposed metal.
- This product has been evaluated and determined to be suitable for air conditioner loads in accordance with UL1699.



Specifications

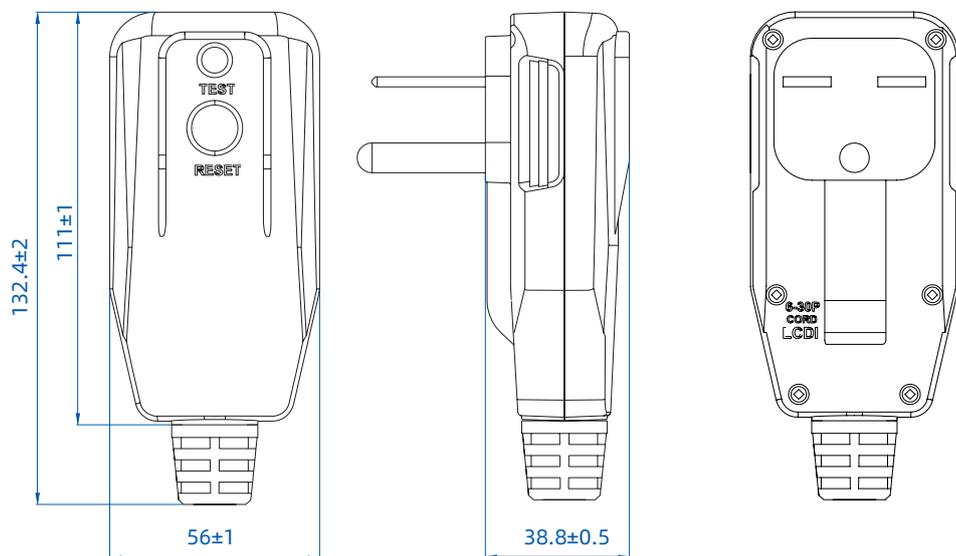
- The ambient temperature: -35 °C ~ 66 °C
- Intended nominal value of leakage current: <5mA
- Rated leakage current time: Trip if 8 half- cycles of arcing occur within 0.5s
- Dielectric voltage (UL1699, Section 43): Apply 1240V/1480V voltage between load, grounded conductor and line for 1 minute separately

Dimensional



Model			
L15515	L15515W	L15520	L15520W

Height	105.4 ± 1 mm
Width	44 ± 0.5 mm
Depth	34.9 ± 0.5 mm



Model			
L15615	L15615W	L15620	L15620W
L15630	L15630W		

Height	132.4 ± 2 mm
Width	56 ± 1 mm
Depth	38.8 ± 0.5 mm

Types of LCDI

120V Plug



Model	Rating (A. V.)	Wiring Specification	Plug Type	Color	UL File
L15515 L15515W	120V 10A 1200W	3×18AWG	 5-15P	Optional	E250451
	120V 13A 1560W	3×16AWG			
	120V 15A 1800W	3×14AWG			
L15520 L15520W	120V 10A 1200W	3×18AWG	 5-20P	Optional	E250451
	120V 13A 1560W	3×16AWG			
	120V 15A 1800W	3×14AWG			
	120V 16A 1920W	3×14AWG			
	120V 18A 2160W	3×14AWG			
	120V 20A 2400W	3×12AWG			

Note:

The products with "W" can be used for OUTDOOR USE, and other types of products are for INDOOR USE ONLY.

240V Plug



Model	Rating (A. V.)	Wiring Specification	Plug Type	Color	UL File
L15615 L15615W	240V 10A 2400W	3×18AWG	 6-15P	Optional	E250451
	240V 13A 3120W	3×16AWG			
	240V 15A 3600W	3×14AWG			
L15620 L15620W	240V 10A 2400W	3×18AWG	 6-20P	Optional	E250451
	240V 13A 3120W	3×16AWG			
	240V 15A 3600W	3×14AWG			
	240V 16A 3840W	3×14AWG			
	240V 18A 4320W	3×14AWG			
	240V 20A 4800W	3×12AWG			
L15630 L15630W	240V 20A 4800W	3×12AWG	 6-30P	Optional	E250451
	240V 25A 6000W	3×12AWG			
	240V 30A 7200W	3×10AWG			

Note:

The products with "W" can be used for OUTDOOR USE, and other types of products are for INDOOR USE ONLY.

ALCI

Features and Benefits

- Appliance Leakage Circuit Interrupter is a device intended for protection of personnel from electrical shock hazards. Hair dryer is one typically of an appliance requiring an ALCI.
- ALCI will shut down the power to the appliance when there is a ground fault current of 6mA or more but not less than 4mA.
- Ground fault is a problem in an electrical system or appliance that has an unintentional electrical connection between a part of the appliance operating normally at some potential to ground, which can cause serious injury or even death if the personnel are exposed to it and the appliance has no ALCI or GFCI protection.
- UL approved ALCI is accepted by either UL approved appliances.

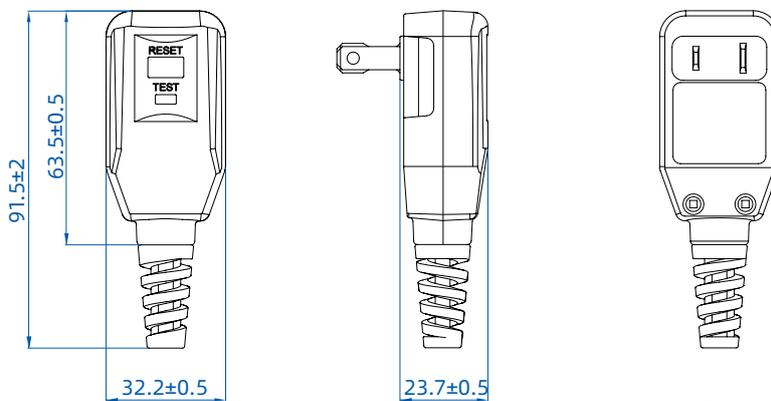


Appliance Leakage-Current Interrupters



Specifications

Model	AL17
Rated Volts	125 / 250 VAC
Rated Current	Max 15 A (5A,7A,10A,12A, 13A,15A,according to wire specification)
Frequency	60 Hz
Tripping Current	4~6 mA
Tripping Time	$\leq 25\text{ms}$ ($T=(20/I)^{1.43}$ mS)
Applicable Standard	UL943B
Plug Configuration	1-15 P(Polarized)
Colors	Customizable
Applicable Cord Set	Customizable



Model	
AL17	AL18

Height	91.5 ± 2 mm
Width	32.2 ± 0.5 mm
Depth	23.7 ± 0.5 mm

PRCD / RCD

Features and Benefits

Cord Protection with Portable Residual Current Devices (PRCD), developed independently by ELE Group, is a new safety protecting product with several national patents. ELE products are widely applicable as power supply cords to home appliances and similar facilities.

- Residual Current Protection: Trips if the current in the loop exceeds the value initialized in the PRCD. This function complies with the National Standard GB/T 20044-2012 <Electrical accessories-Portable residual current devices without integral over current protection for household and similar use (PRCDs)>.
- Supply cord protection: Protects the power supply cords with the American technical specified by UL1699. Trips when there is Current Leakage (<5mA), which may be caused by aging wire, wire abrasion and animals bite (specially designed against the damage caused by pet in the city, mouse in the countryside and unconsciously cutting by children).
- Ground charged protection: When "G" is charged, it will cut off the power supply automatically.
- Bolt overheating protection: It will cut off the power supply automatically when the temperature of the plug exceeds the setting value. (e.g.Poor quality socket causes the temperature rise up between socket and male plug).
- Power supply indicators function.





PRCD products naming rules:

P AA BB CC - X

P: PRCD products, fixed and unchanged.

AA: refers to product series, 15 to P15 and 18 to P18.

BB: refers to the rated current of the product, 06 to 6A, 10 to 10A and 16 to 16A.

CC: refers to the residual operating current of the product, 06 means 6mA, 10 means 10mA, 15 means 15mA and 30 means 30mA.

X: refers to the additional functions or features, usually represented by one or more letters or numbers.

TEST and RESET buttons allow for Periodic testing.

Waterproof rate IP65, IP66 (TUV)

Rated voltage current 230V / 16A

Trip level 10mA or 30mA

Rated for indoor and outdoor use

CE and TUV listed

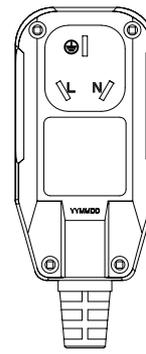
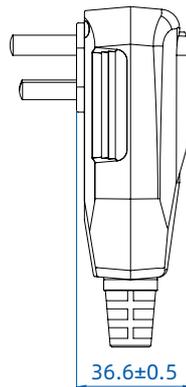
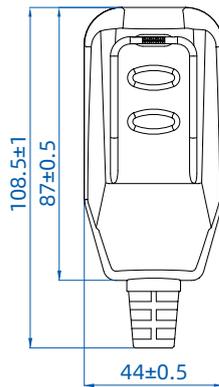
Technical Parameters

Ambient operating temperature	-5°C ~ 40°C / -25°C ~ 40°C
Un (Rated Volts)	220V AC / 230V AC / 220 ~ 250V AC
In(Rated current)	6A / 10A / 16A
Rated frequency	50Hz
Rated residual operating current	6mA / 10mA / 15mA / 30mA
Rated residual non-operating current	3mA / 5mA / 7.5mA / 15mA
Rated residual current action time	≤0.1s

Types of PRCD/RCD

Photo					
P/N	P15 Plug Type	P15 In-line Type	P151610-F/P151630-F		P18 series
Features	This series product model is complete, additional optional function is much, applicable scope is wide.		CE/TUV Certified.		This series of products are small in size, low standby power consumption and high protection grade.
Type	Plug Type (CCC)	In-line Type(CCC)	In-line Type (CE)	In-line Type(CE) (TUV)	Plug Type (CCC)
Voltage Rating	230VAC	230VAC	230VAC	220~250VAC	220VAC
Rated Current (Optional)	6A 10A 16A	6A 10A 16A	16A	16A	6A 10A
Leakage Action Current (Optional)	3~6mA 5~10mA 7.5~15mA 15~30mA	3~6mA 5~10mA 7.5~15mA 15~30mA	5~10mA 15~30mA	5~10mA 15~30mA	3~6mA 5~10mA 7.5~15mA 15~30mA
Waterproof Rate (Optional)	IPX4 IP65	IPX4 IP65	IP65	IP65	IPX4 IP66
Additional Features (Optional)	Bolt overheating protection (B) Opening and closing of PE line (E) Live ground line display (L) Power cord protection (S)	Opening and closing of PE line (E) Live ground line display (L)	N/A...	N/A...	We can customize the appearance according to customer's requirement. Standby Power Consumption ≤0.3W

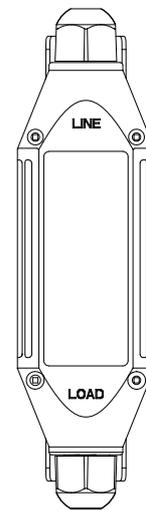
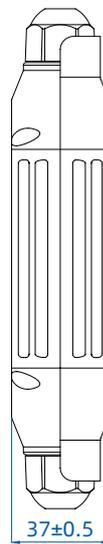
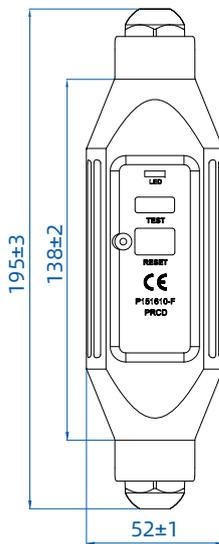
Dimensional



Height	108.5 ± 1 mm
Width	44 ± 0.5 mm
Depth	36.6 ± 0.5 mm

Model

P15 Plug Type



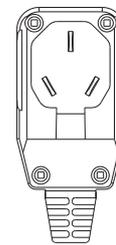
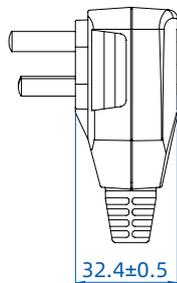
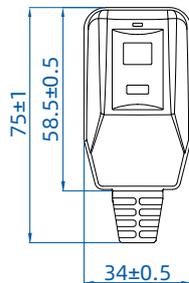
Height	195 ± 3 mm
Width	52 ± 1 mm
Depth	37 ± 0.5 mm

Model

P15 In-line Type

P151610-F

P151630-F



Height	75 ± 1 mm
Width	34 ± 0.5 mm
Depth	32.4 ± 0.5 mm

Model

P18 Series

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ISO9001
ISO14001

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